

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ajit Kane)
Serial No: 10/626,808)
Filed: July 24, 2003)
For: TORQUE RIPPLE AND NOISE REDUCTION BY)
AVOIDING MECHANICAL RESONANCE FOR A)
BRUSHLESS DC MACHINE)

Assistant Commissioner for Patents
Alexandria, VA 22313-1450
ATTENTION: Licensing and Review

RECEIVED

JUN 21 2004

LICENSING & REVIEW

PETITION FOR LICENSE FOR FOREIGN FILING
(U.S. PATENT APPLICATION ON FILE)
(37 CFR 5.14)

Please note that this petition requests:

- ☒ expedited handling.
- ☒ telephone report.

1. Petition

Petition is hereby made, in duplicate, for a license under 37 CFR 5.12(b) for the foreign filing of a single application. A Copy of the application is attached hereto to assist in the handling of this petition.

It is requested that the duplicate copy of the petition be returned with the license or other action on the petition.

Request for the Expedited Foreign Filing License is due to the application being foreign filed.

2. Identification of inventor(s), title of inventions, and short statements as to the nature of the Invention

Serial No.: 10/626,808

Inventor(s) name(s): **Ajit Kane and Amit Sanglikar**

Title of invention: **TORQUE RIPPLE AND NOISE REDUCTION BY AVOIDING
MECHANICAL RESONANCE FOR A BRUSHLESS DC
MACHINE**

It is believed that this invention is clearly of no interest from a security standpoint, as it relates to:

A method of reducing torque ripple and noise for an brushless DC machine comprising: determining a control frequency for the electric machine, the control frequency indicative of an existing current command to and a rotational velocity of the electric machine; multiplying the control frequency by a selected multiple and forming a modulating signal responsive thereto; and formulating a modified command profile. The method also includes: correlating and synchronizing the modified command profile with the existing current command and a rotor position for the electric machine; and generating a modulated current command to the electric machine.

3. **Expedited handling** (37 CFR 1.17(h)—\$130.00)

(check and complete the following, if expedited handling is desired)

☒ Expedited handling of this petition for license is requested. The fee therefor is to be paid as follows:

☐ Attached is a ☐ check ☐ money order in the amount of \$ _____

☒ Authorization is hereby made to charge the amount of \$ 130.00

☒ to Deposit Account No. 06-1130

☐ to Credit card as shown on the attached credit card information authorization form PTO-2038.

☒ Charge any additional fees required by this paper or credit any overpayment in the manner authorized above.

A duplicate of this paper is attached

4. Telephone notification of issuance of license

(check, if applicable)

- ☒ Please notify petitioner of the issuance of the license, by telephone, at the number shown below.

Applicants request that telephone notification of the issuance of the license be made to Applicants' agent, Frank J. Sowa II, at 703-415-1558. Applicants also authorize Mr. Sowa to pick up the issued license.

Respectfully submitted,

CANTOR COLBURN LLP

By: Patricia S. DeSimone
Patricia S. DeSimone
Registration No. 48,137

Date: June 18, 2004
Customer No.: 23413
Telephone: (860) 286-2929